

1R - 426-102

# REPORTS

DATE:

7/19/2004

BD H-14-1

1R0426-102

# DISCLOSURE REPORT

**RICE OPERATING COMPANY  
JUNCTION BOX DISCLOSURE REPORT**

**BOX LOCATION**

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
BD	H-14-1	H	14	22S	37E	Lea	10	10	7

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER Leo V. Sims OTHER \_\_\_\_\_

Depth to Groundwater 65 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20 \*

Date Started 5/17/2004 Date Completed 6/8/2004 OCD Witness No

Soil Excavated 304 cubic yards Excavation Length 38 Width 36 Depth 6 feet

Soil Disposed 0 cubic yards Offsite Facility n/a Location n/a

**FINAL ANALYTICAL RESULTS:** Sample Date 5/21/2004 Sample Depth 6 ft

Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

**CHLORIDE FIELD TESTS**

Sample Location	PID ppm	GRQ mg/kg	DRO mg/kg	Chloride mg/kg
SIDEWALLS	6.7	<10.0	<10.0	576
BOTTOM	0.1	<10.0	<10.0	896
REMEDIATED	5.2	<10.0	<10.0	240

LOCATION	DEPTH (ft)	ppm
Vertical	6	382
at source	8	349
	10	270
	12	1083
	13	381
	14	710
15 ft South	8	1712
	9	969
	10	1353
	11	1522
	12	1590
25 ft North	8	719
	9	1289
	10	1019
	11	749
	12	589
	13	329
	14	5428
	15	1530
4-wall comp.	n/a	786
bottom comp.	6	942
remed. comp.	n/a	680

General Description of Remedial Action: This junction was the main-line box of a three-box cluster in close proximity. Delineation trenches were made with a backhoe to 12 ft as chloride field tests and PID field screenings were conducted at regular intervals. Chloride concentrations did not exhibit a trend of decline with depth or breadth within the excavation. PID readings were minimal and lab results confirmed TPH concentrations well below NMOCD guidelines. A compacted clay barrier was installed in the 38 x 36 x 6-ft-deep excavation and the excavated soil was blended and backfilled on top of the clay (see diagram). An identification plate was set on the surface to mark the site for future considerations and to identify the clay below. A new watertight junction box has been rebuilt at this location. The disturbed surface has been seeded with a blend of native vegetation and will be monitored for growth.

**ADDITIONAL EVALUATION IS HIGH PRIORITY**

\* Windmill located 570 ft south of the location.

enclosures: chloride graphs, photos, lab results, clay test, PID field screenings, diagrams

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SITE SUPERVISOR Joe Gatts SIGNATURE Joe Gatts COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 7/19/2004 TITLE Project Scientist

**\* This site is a "DISCLOSURE." It will be placed on a prioritized list of similar sites for further consideration.**

# BD jct. H-14-1



site prior to excavation 2/6/2002



Jct. H-14-1 prior to excavation with old plumbing 8/19/2003

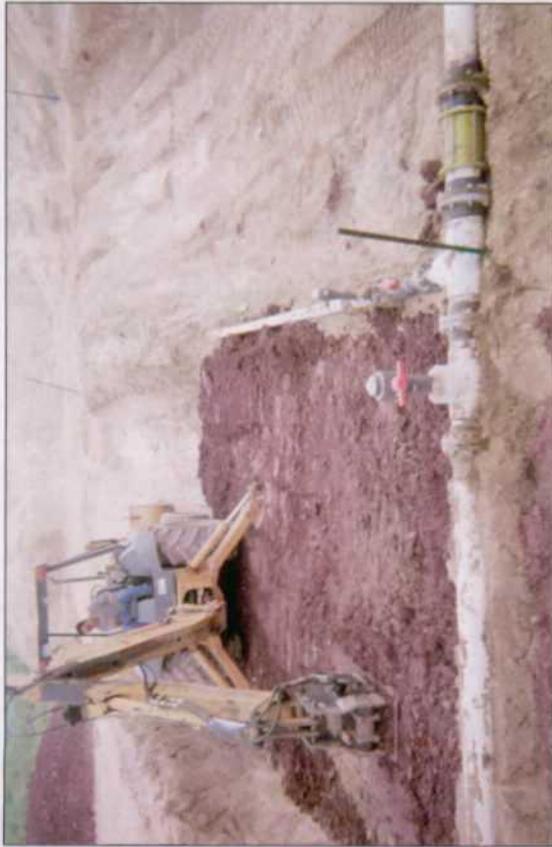


Jct. H-14-1 with new plumbing 8/19/2003



delineation May 2004

# BD jct. H-14-1



compacting clay

May 2004



testing clay

5/26/2004



Backfilled site with new jct. box; clay ID plate in foreground

June 2004

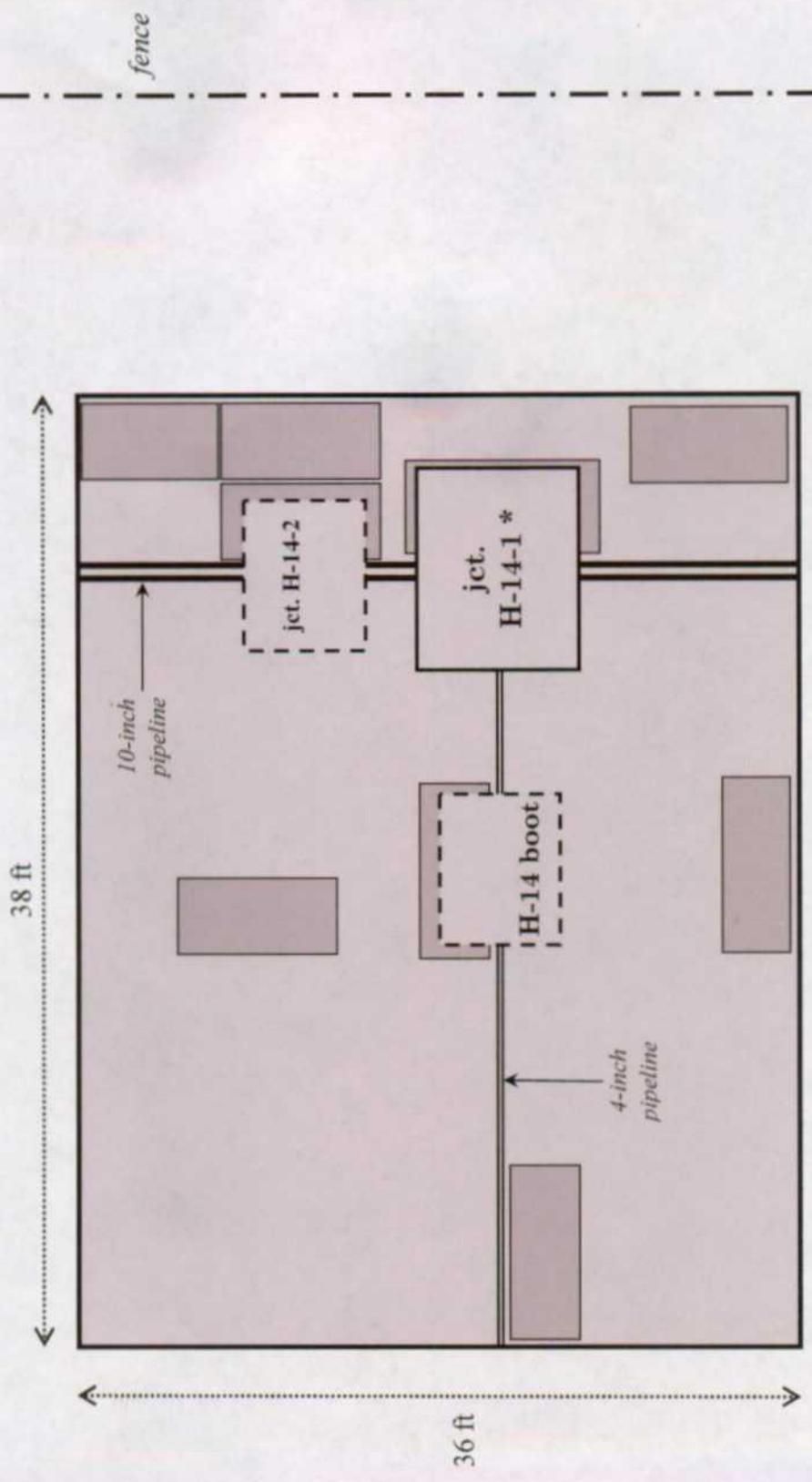
# BD jct H-14-1

## 38 x 36 x 6-ft-deep

### Excavation Cross-Section



-  = Excavation to 6 ft BGS
-  = Excavation trench to 12 ft BGS
-  = 2 x 2 ft

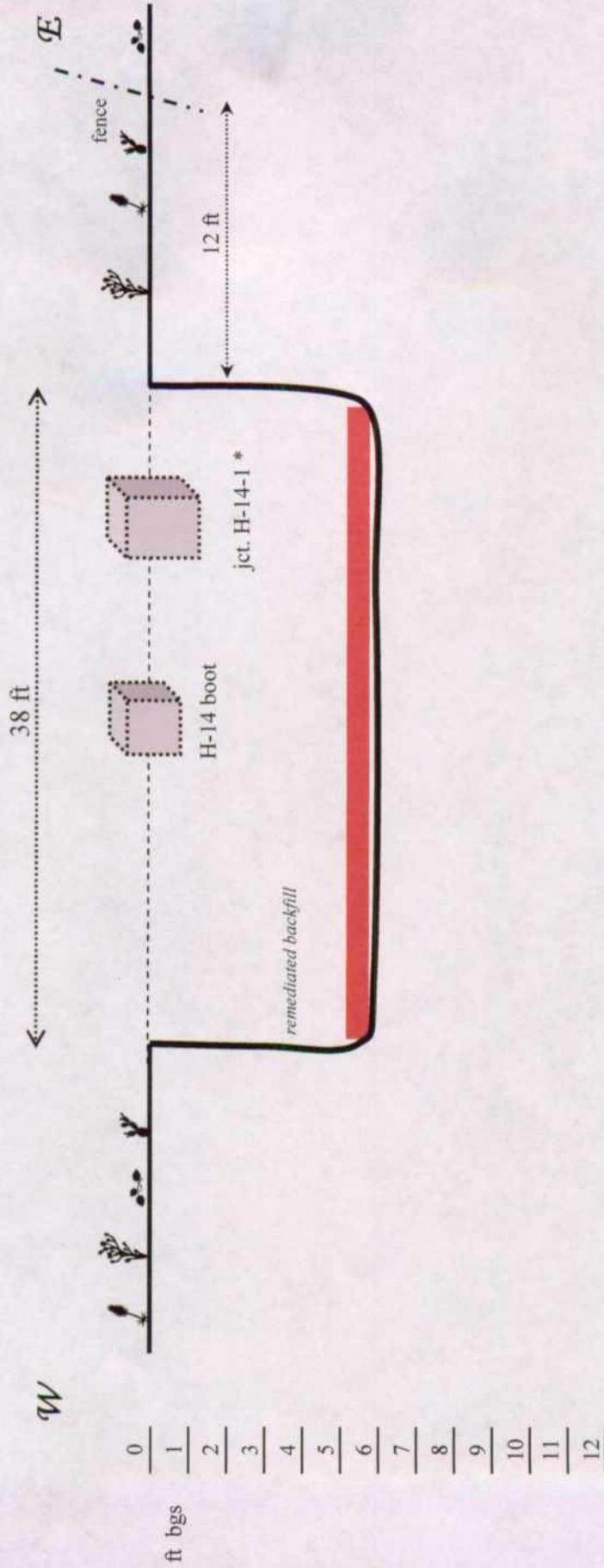
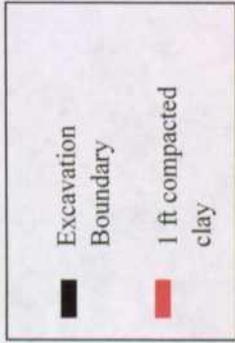


\* New watertight junction box "H-14" has replaced H-14-1; H-14 boot and H-14-2 have been eliminated

# BD jct H-14-1

## 38 x 36 x 6-ft-deep

### Excavation Cross-Section



\* New water-tight junction box is re-built in this location.

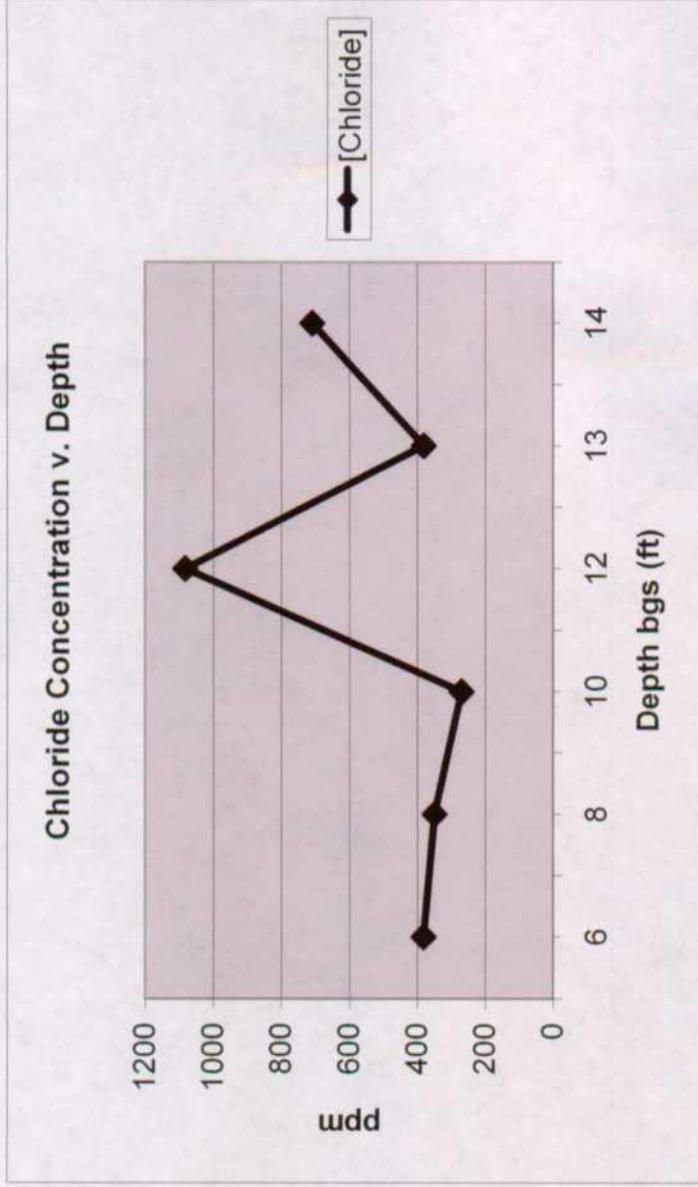
# BD jct. H-14-1

T22S, R37E

Vertical Delineation at Source

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
6	382
8	349
10	270
12	1083
13	381
14	710

Groundwater = 65 ft



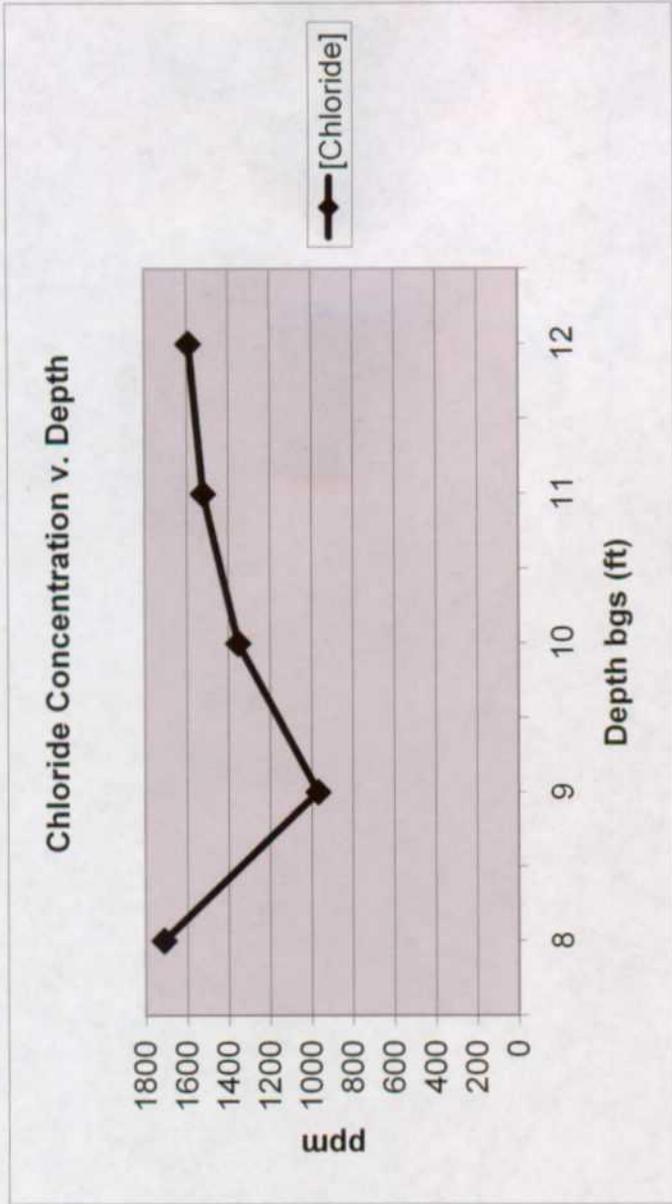
# BD jct. H-14-1

T22S, R37E

15 ft South of Junction

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
8	1712
9	969
10	1353
11	1522
12	1590

Groundwater = 65 ft



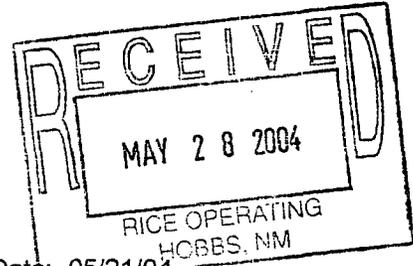


**ARDINAL  
LABORATORIES**

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR  
RICE OPERATING CO.  
ATTN: J. GATTS  
122 W. TAYLOR  
HOBBS, NM 88240  
FAX TO:

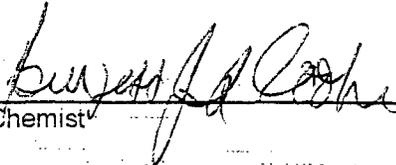


Receiving Date: 05/21/04  
Reporting Date: 05/24/04  
Project Number: NOT GIVEN  
Project Name: H-14, H-14-1, H-14-2  
Project Location: NOT GIVEN

Sampling Date: 05/21/04  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: HM  
Analyzed By: BC/AH

LAB NUMBER SAMPLE ID	GRO	DRO	CI*
	(C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	(>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	
ANALYSIS DATE	05/21/04	05/21/04	05/24/04
H8724-1 BOTT. COMP. AT 6' BGS	<10.0	<10.0	896
H8724-2 4 WALL COMP.	<10.0	<10.0	576
H8724-3 REMD. BACKFILL	<10.0	<10.0	240
Quality Control	794	752	990
True Value QC	800	800	1000
% Recovery	99.2	94.0	99.0
Relative Percent Difference	7.6	1.9	4.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI'B  
\*Analyses performed on 1:4 w:v aqueous extracts.

  
\_\_\_\_\_  
Chemist

5/24/04  
\_\_\_\_\_  
Date

H8724.XLS

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**CARDINAL LABORATORIES, INC.**

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240  
 (915) 673-7001 Fax (916) 673-7020 (505) 393-2328 Fax (505) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Page      of     

<b>BILLYTO</b>		<b>ANALYSIS REQUEST</b>	
Company Name: <u>Rice Operating</u> Project Manager: <u>J. Gaults</u>		P.O. #: _____ Company: _____ Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Phone #: _____ Fax #: _____ Fax #: _____	
Address: <u>122 W. Taylor</u> State: <u>NM</u> Zip: <u>88240</u> City: <u>Hobbs</u>		Project #: _____ Project Name: <u>H-14, H-14-1, H-14-2</u> Project Location: _____ Sampler Name: _____ FOR LAB USE ONLY	
<b>Lab I.D.</b>  <u>H8924-1</u> <u>-2</u> <u>-3</u>	<b>Sample I.D.</b>  <u>Both Compant 6' bss</u> <u>4 WALL comp</u> <u>REMO Backfill</u>	<b>MATRIX</b> # CONTAINERS: _____ (G)RAB OR (COMP): _____ GROUNDWATER: _____ WASTEWATER: _____ SOIL: _____ OIL: _____ SLUDGE: _____ OTHER: _____ ACID/BASE: _____ ICE / COOL: _____ OTHER: _____	<b>PRESERV.</b> DATE: _____ TIME: _____ 5/21/04 1236 5/21/04 1245 5/21/04 1250
<b>FOR LAB USE ONLY</b> DATE: _____ TIME: _____ RECEIVED BY: _____ RECEIVED BY: (Lab Staff) _____ Date: <u>5/21/04</u> Time: <u>3:30</u> Date: _____ Time: _____ RECEIVED BY: _____ RECEIVED BY: (Circle One) Sampler - UPS - Bus - Other: _____		<b>SAMPLING</b> DATE: _____ TIME: _____ 5/21/04 1236 5/21/04 1245 5/21/04 1250	
<b>PLEASE NOTE:</b> Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of data, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		<b>Terms and Conditions:</b> Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.	
<b>Sampler Relinquished:</b> Date: _____ Time: _____ Received By: _____ Received By: (Lab Staff) _____ Date: <u>5/21/04</u> Time: <u>3:30</u> Date: _____ Time: _____ Received By: _____ Received By: (Circle One) Sampler - UPS - Bus - Other: _____		<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>REMARKS:</b>	

† Cardinal cannot accept verbal changes. Please fax written changes to (915) 673-7020.





LABORATORY TEST REPORT  
**PETTIGREW & ASSOCIATES, P.A.**  
 1110 N. GRIMES  
 HOBBS, NM 88240  
 (505) 393-9827



DEBRA P. HICKS, P.E./L.S.I.  
 WILLIAM M. HICKS, III, P.E./P.S.

**To:** Rice Operating  
 Attn: Carolyn Haynes  
 122 W. Taylor  
 Hobbs, NM 88240

**Material:** Red Clay

**Test Method:** ASTM: D 2922

**Project:** Boot H-14, H-14-1, H-14-2

**Date of Test:** May 26, 2004

**Depth:** Finished Subgrade

Test No.	Location	Dry Density % Maximum	% Moisture	Depth
SG-1	Pit - 15' E. & 20' S. of the NW Corner	101.2	18.7	
SG-2	Pit - 20' W. & 10' N. of the SE Corner	105.0	16.5	



*CD Ho* *W. M. Hicks III* 783 9613

**Control Density:** 109.5  
 ASTM: D 698

**Optimum Moisture:** 16.6%

**Required Compaction:** 95%

**Lab No.:** 04 6661-6663

**Copies To:** Rice

PETTIGREW & ASSOCIATES

BY: *[Signature]* S.E.T.